INTERNATIONAL SEARCH REPORT

International application No.

	\	_	PCT/JP2004/014032	
A. CLASSIFIC Int.Cl ⁷	CATION OF SUBJECT MATTER G10K11/16			
According to Inte	ernational Patent Classification (IPC) or to both nat	ional classification and IPC		
B. FIELDS SE	ARCHED			
Minimum docum Int.Cl ⁷	nentation searched (classification system followed b G10K11/16, E04B1/86	y classification symbols)		
Jitsuyo Kokai Ji	searched other than minimum documentation to the Shinan Koho 1922–1996 itsuyo Shinan Koho 1971–2004	Toroku Jitsuyo Shina Jitsuyo Shinan Torok	n Koho 1994-2004 u Koho 1996-2004	
Electronic data b	pase consulted during the international search (name	of data base and, where practice	able, search terms used)	
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, wher	e appropriate, of the relevant pas	ssages Relevant to claim No.	
X A	JP 63-143595 A (Matsushita Ltd.), 15 June, 1988 (15.06.88), Page 2; all drawings (Family: none)	Electric Works,	1,3,6,19 2,4-5,7-18, 20	
X A)),	2,4-5,7-19	
× Further do	cuments are listed in the continuation of Box C.	See patent family an	nnex.	
* Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		d date and not in conflict the principle or theory u "X" document of particular a considered novel or ca step when the document of particular a considered to involve combined with one or me being obvious to a personal control of the considered to involve combined with one or me being obvious to a personal control of the control of th	date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
	l completion of the international search ember, 2004 (07.12.04)	Date of mailing of the inte	rnational search report, 2004 (21.12.04)	
Japanes	g address of the ISA/ se Patent Office	Authorized officer		
Facsimile No. Form PCT/ISA/210	0 (second sheet) (January 2004)	Telephone No.		

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 59-233052 A (United McGill Corp.), 27 December, 1984 (27.12.84), Full text; all drawings & DE 3417874 A & US 4553631 A & FR 2564629 A & CA 1212904 A	
Α	JP 10-39875 A (Mitsubishi Heavy Industries, Ltd.), 13 February, 1998 (13.02.98), Full text; all drawings (Family: none)	15-16,19
A	JP 2001-184076 A (Nichias Corp.), 06 July, 2001 (06.07.01), Full text; all drawings & EP 1020846 A & US 6720069 B1	1-20
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